

To: Mary Hollingsworth[mholling@idem.in.gov]; Stacy Jones[sjones@idem.in.gov]; Matt Prater[mprater@idem.in.gov]
Cc: Deltoral, Miguel[deltoral.miguel@epa.gov]; Bair, Rita[bair.rita@epa.gov]; Poy, Thomas[poy.thomas@epa.gov]; Porter, Andrea[porters.andrea@epa.gov]
From: Bosscher, Valerie
Sent: Thur 12/15/2016 3:28:12 PM
Subject: RE: CONFIDENTIAL: East Chicago Data
East Chicago sequential - master 12-15-2016.xlsx

Good morning,

Rita asked me to send a note that additional data has been received and added to Sharepoint. For ease of access, I am attaching a copy of the summary spreadsheet.

Thanks,

Val

From: Bosscher, Valerie
Sent: Friday, December 02, 2016 1:10 PM
To: 'Mary Hollingsworth' <mholling@idem.in.gov>; 'Jones, Stacy' <SJONES@idem.IN.gov>; 'Prater, Matthew' <MPrater@idem.IN.gov>
Cc: Deltoral, Miguel <deltoral.miguel@epa.gov>; Bair, Rita <bair.rita@epa.gov>; Poy, Thomas <poy.thomas@epa.gov>; Porter, Andrea <porters.andrea@epa.gov>
Subject: RE: CONFIDENTIAL: East Chicago Data
Sensitivity: Confidential

Good afternoon,

Please see below a summary of the sequential samples displayed in the "Master Spreadsheet" and in the analytical reports. We hope this helps explain better, in follow up to what Miguel said on the phone. We will also add this "Read Me" explanation to the spreadsheet that will continue to be updated on the Sharepoint site as additional prelim and final data comes in.

- Column A =Superfund site ID (this was used as part of the lab sample ID)
- Column I: "S1" = Prior to soil removal excavation; "S2" = After excavation was complete

and the contractor/resident ran the water (ideally at an outside hose bib) for several minutes, to help clear any disturbed scale from the pipes

- Column O = Where observable, the private-side service line and internal plumbing materials are summarized. As noted on today's call, there were cases where this information could not be collected because the materials were below a false floor or other obstruction.
- Columns S-AJ = Total Lead data (ppb)
 - o S01 was collected first (125 mL), after 6+ hours stagnation
 - o S02 was collected next without pause (125 mL)
 - o S03 through S15 (or S18 at some sites farther from the curb) – 1L samples collected sequentially (all water collected as it ran, without pause between bottles)
- Columns AK-AP = "DS" samples collected after running the water for 3-5 minutes; intended to represent water from the distribution system
- Column K-M = Field measurements for pH and Chlorine were collected as part of the "DS" (distribution system) sample
- Columns AQ-AS – Dissolved Lead (ppb)
 - o S03F is a filtered aliquot from sample S03
 - o S06F is a filtered aliquot from sample S06
 - o S09F is a filtered aliquot from sample S09

The above will also help interpret the Sample IDs in the laboratory analytical reports, which are also saved on the Sharepoint site.

Please let us know if we can clarify anything else.

Thanks,

Val

Valerie Bosscher, P.E.

Environmental Engineer

Ground Water & Drinking Water Branch

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77 W. Jackson Blvd. (WG-15J)

Chicago, IL 60604

From: Hollingsworth, Mary [<mailto:MHolling@idem.IN.gov>]

Sent: Friday, December 02, 2016 7:28 AM

To: Bair, Rita <bair.rita@epa.gov>; Stacy Jones <sjones@idem.in.gov>; Matt Prater <mprater@idem.in.gov>

Cc: Poy, Thomas <poy.thomas@epa.gov>; Porter, Andrea <porter.andrea@epa.gov>; Bosscher, Valerie <bosscher.valerie@epa.gov>; Henry, Timothy <henry.timothy@epa.gov>; Korleski, Christopher <korleski.christopher@epa.gov>; CLARK METTLER, MARTHA <MCLARK@idem.IN.gov>

Subject: RE: CONFIDENTIAL: East Chicago Data

Sensitivity: Confidential

Thank you for the information. It would be helpful if the headings were explained. Another item we noticed on the sampling spreadsheet, the plumbing material was not identified, could you please explain why no identification of this material was made? Also, which homes of the ones sampled have lead service lines? Some of these sample were collected before IDEM requested that East Chicago increase their orthophosphate. Our request was on 10/26. We are working with East Chicago and tracking the increase of Orthophosphate residual in the distribution system. They are increasing Orthophosphate feed to 1 ppm leaving the plant. Their target residuals in distribution system is now 0.75 to 1 ppm.

Attached are the residuals from August thru October distribution samples for Orthophosphate. You will notice the levels are low; that's why we asked for the increase.

Please keep me as the main point of contact so I may brief the Commissioner instead of her hearing from outside our agency. We just received the info yesterday afternoon and we were going to discuss and let the Commissioner know but that was taken out of our hands.

Indiana takes this information very seriously and we will work with EPA and East Chicago to assure that all residents have drinking water that meets the Federal standards.

Much Appreciated

Mary E. Hollingsworth

Drinking Water Branch Chief

Office of Water Quality

Indiana Department of Environmental Management

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From: Bair, Rita [<mailto:bair.rita@epa.gov>]

Sent: Thursday, December 01, 2016 1:55 PM

To: Hollingsworth, Mary; JONES, STACY; Prater, Matthew

Cc: Poy, Thomas; Porter, Andrea; Bosscher, Valerie; Henry, Timothy; Korleski, Christopher

Subject: CONFIDENTIAL: East Chicago Data

Sensitivity: Confidential

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Attached is a spreadsheet summarizing the data collected to date in East Chicago. My apologies for the delay. Tomorrow we can talk more about getting you actual lab reports or data in other formats.

In addition, Dean Maraldo summarized the data and I am sharing it below.

From: Maraldo, Dean

Sent: Wednesday, November 30, 2016 2:20 PM

To: Bair, Rita <bair.rita@epa.gov>; Korleski, Christopher <korleski.christopher@epa.gov>; Henry, Timothy <henry.timothy@epa.gov>; Poy, Thomas <poy.thomas@epa.gov>; Deltoral, Miguel <deltoral.miguel@epa.gov>; Mendez, Thomas <mendez.thomas@epa.gov>; Donnelly, Peggy <Donnelly.Peggy@epa.gov>; Bosscher, Valerie <bosscher.valerie@epa.gov>; Porter, Andrea <porter.andrea@epa.gov>

Subject: USS Lead Data Summary

All: here's a quick summary of results for USS Lead sequential sampling. Note that we still have no validated data for Zone 3 properties. New schedule from Superfund has first validated results for Zone 3 coming in on Dec. 9, with additional sets due Dec. 16 and Dec. 23.

So far, 54% of properties sampled, pre-excavation, have at least one sample with lead above action level [66% for Zone 3 and 25% for Zone 2].

We do have validated data for Zone 2 which confirmed the reliability of preliminary data. This applies to Zone 2 only as different labs were used for Zone 3.

USS Lead Sequential Sampling Result Summary

11/30/2016 Draft

Zone 2 Zone 3 Total

	Pre		Post		Pre		Post		Pre		Post	
# of Properties in Sequential Sampling Program	8	8	37	37	45	45						
# of Properties with Preliminary Results	8	5	18	16	26	21						
# of Properties with at least one Pb result above action level (15 ppb)	2	1	12	8	14	9						
# of Properties with Final - Validated Results	7	1	0	0	7	1						